5"					
TTGACACCAG	ACCAACTGGT	AATGGTAGCG	ACCGGCGCTC	AGCTGGAATT	CCAAAAAATG
TAATGCACAC	TCCATTGCAT	TCAGCCCGCC	TCTCCTTAGT	CGCCGCCATG	ACGACCGCGT
CCACCTCGCA	GGTGCGCCAG	AACTACCACC	AGGACTCAGA	GGCCGCCATC	AACCGCCAGA
TCAACCTGGA	GCTCTACGCC	TCCTACGTTT	ACCTGTCCAT	GTCTTACTAC	TTTGACCGCG
ATGATGTGGC	TTTGAAGAAC	TTTGCCAAAT	ACTTTCTTCA	CCAATCTCAT	GAGGAGAGGG
AACATGCTGA	GAAACTGATG	AAGCTGCAGA	ACCAACGAGG	TGGCCGAATC	TTCCTTCAGG
ATATCAAGAA	ACCAGACTGT	GATGACTGGG	AGAGCGGGCT	GAATGCAATG	GAGTGTGCAT
TACATTTGGA	AAAAAATGTG	AATCAGTCAC	TACTGGAATT	CCCTTCTCCT	ATCTCTCCCA
GTCCTAGCTG	CTGGCATCAC	TATACTACTA	ACAGACCGCA	ACCTCAACAC	CACCTTCTTC
GACCCCGCCG	GAGGAAGAGA	CCCCATTCTA	TACCAACACC	TATTCTGATT	TTTCGGTCAC
COTGAAGTTT	ATATTCTTAT	CCTACCAGGC	TTCGGAATAA	TCTCCCATAT	TGTAACTTAC
TACTCCGGAA	ATCGCTGTCG	CCTAACCGCT	AACATTACTG	CAGGCCACCT	ACTCATGCAC
CTAATTGGAA	GCGCCACCCT	AGCAATATCA	ACCATTAACC	TTCCCTCTAC	ACTTATCATC
TTCACAATTC	TAATTCTACT	GACTATCCTA	GAAATCGCTG	TCGCCTTAAT	CCAAGCCTAC
GTTTTCACAC	TTCTAGTAAG	CCTCTACCTG	CACGACAACA	САТАААААА	A 3"

FIG. 1

				CLONE	p47			GG	GGGACGG <i>I</i>	ACCCGG
CGCTCG	TTCCCCAC	CCCGGCC	GGCCGCCC	ATAGCCAG	CCCTCCG	TCAC				
				CLONE	T 16			TT	GACACC	
CTCTTC	ACCGCACC	CTCGGACT	rgccccaa	GGCCCCCC	CCGCCGC'	<b>ICC</b>				
AGACCA	ACTGGTAA	TGGTAGC	GACCGGCG	CTCAGCT	GAATTCC	AAAA				
NCCCCC.	GCGCAGCC	) ) ) )		<u> </u>	ነጣመ እ ሮመድር በ	cccc				
	atgcacac Atgcacac									
				<del></del>						
ATG ATG	ACG ACG	ACC ACC	GCG GCG	TCC TCC	ACC ACC	TCG TCG	CAG CAG	GTG GTG	CGC CGC	CAG CAG
HIG	ACG	ACC	GCG	100	ACC	100	CAG	GIG	CGC	CAG
AAC	TAC	CAC	CAG	GAC	TCA	GAG	GCC	GCC	ATC	AAC
AAC	TAC	CAC	CAG	GAC	TCA	GAG	GCC	GCC	ATC	AAC
CGC	CAG	ATC	AAC	CTG	GAG	CTC	TAC	GCC	TCC	TAC
CGC	CAG	ATC	AAC	CTG	GAG	CTC	TAC	GCC	TCC	TAC
GTT	TAC	CTG	TCC	ATG	TCT	TAC	TAC	TTT	GAC	CGC
GTT	TAC	CTG	TCC	ATG	TCT	TAC	TAC	TTT	GAC	CGC
GAT	GAT	GTG	GCT	TTG	AAG	AAC	TTT	GCC	AAA	TAC
GAT	GAT	GTG	GCT	TTG	AAG	AAC	TTT	GCC	AAA	TAC
mmm	O.M.M.	23.2	22.2	man	01 m	010	010	100	01.1	0.1.111
TTT TTT	CTT CTT	CAC CAC	CAA CAA	TCT TCT	CAT CAT	GAG GAG	GAG GAG	AGG AGG	GAA GAA	CAT CAT
-11	011	Cric	Oilli	101	OIII	Orio	0110	1100	0,11	CITI
GCT	GAG	AAA	CTG	ATG	AAG	CTG	CAG	AAC	CAA	CGA
GCT	GAG	AAA	CTG	ATG	AAG	CTG	CAG	AAC	CAA	CGA
GGT	GGC	CGA	ATC	TTC	CTT	CAG	GAT	ATC	AAG	AAA
GGT	GGC	CGA	ATC	TTC	CTT	CAG	GAT	ATC	AAG	AAA
CCA	GAC	TGT	GAT	GAC	TGG	GAG	AGC	GGG	CTG	AAT
CCA	GAC	TGT	GAT	GAC	TGG	GAG	AGC	GGG	CTG	AAT
GCA	ATG	GAG	TGT	GCA	TTA	CAT	TTG	GAA	AAA	AAT
GCA	ATG	GAG	TGT	GCA	TTA	CAT	TTG	GAA	AAA	AAT
GTG	AAT	CAG	TCA	СТА	CTG	GAA	CTG	CAC	AAA	CTG
GTG	AAT	CAG	TCA	CTA	CTG	GAA	TTC	CCT	TCT	CCT
GCC	ACT	GAC	AAA	AAT	GAC	CCC	CAT	TTG	TGT	GAC
ATC	TCT	CCC	AGT	CCT	AGC	TGC	TGG	CAT	CAC	TAT

FIG. 2A

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TTC	ATT	GAG	ACA	CAT	TAC	CTG	AAT	GAG	CAG	GTG
ACT	ACT	AAC	AGA	CCG	CAA	CCT	CAA	CAC	CAC	_CTT
AAA	GCC	ATC	AAA	GAA	TTG	GGT	GAC	CAC	GTG	ACC
CTT	CGA	CCC	CGC	CGG	AGG	AAG	AGA	CCC	CAT	TCT
AAC	TTG	CGC	AAG	ATG	GGA	GCG	CCC	GAA	TCT	GGC
ATA	CCA	ACA	CCT	ATT	CTG	ATT	TTT	CGG	TCA	CCC
TTG	GCG	GAA	TAT	CTC	TTT	GAC	AAG	CAC	ACC	CTG
TGA	AGTT'	TATATT	CTTATC	CTACCA	GGCTTC	GAATA	ATCTCC	CATATT		
GGA	GAC	AGT	GAT	AAT	GAA	AGC	TAA	GCCT	CGGGCT	TTAA
GTAA	CTTACT	ACTCCG(	GAAATC	GCTGTC	GCCTAA	CCGCTA	ACATTA	CTGC		
TCCC	ATAGCC	GTGGGG'	TGACTT(	CCCTGG	TCACCA	AGGCAG	TGCATG	CAT		
AGGC	CACCTA	CTCATG	CACCTA	ATTGGA	AGCGCC	ACCCTA	GCAATA	TCA		
GCAT	GTTGGG	GTTTCC'	TTTACC'	TTTTCT.	ATAAGT'	TGTACC.	AAAACA	TCCAC		
ACCA	TTAACC	TTCCCT	CTACAC'	TTATCA	TCTTCA	CAATTC	TAATTC	TACTG		
TTAA	GTTCTT'	TGATTT	GTACCA'	TTCCTT	CAAATA	AAGAAA	TTTGGT	ACCCA		
ACTA	TCCTAG	AAATCG	CTGTCG	CCTTAA	TCCAAG	CCTACG	TTTTCA	CACT		
AAAA	AAAA									
TCTA	GTAAGC	CTCTAC	CTGCAC	GACAAC	ACATAA	AAAAA				

FIG. 2A CONT.

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TTGACACCAGACCAACTGGTAATGGTAGCGACCGGCGCTCAGCTGGAATTCCAAAAAATGT AATGCACACTCCATTGCATTCAGCCCGCCTCTCCTTAGTCGCCCGCC										
AATGO met	CACACT( thr	CATTGO thr	CATTCA( ala	GCCCGC( ser	TCTCC: thr	TAGTC( ser	GCCGCC gln	val	arq	gln
ATG	□ACG	ACC	GCG	TCC	ACC	TCG	CAG	GTG	CGC	CAG
200	tur	his	qln	200	cor	alu	ala	ala	ile	200
asn AAC	tyr TAC	CAC	CAG	asp GAC	ser TCA	glu GAG	GCC	GCC	ATC	asn AAC
	. 1 .	'1.		1.		1	<b></b>	. 1 -		<b>L</b>
arg CGC	gln CAG	ile ATC	asn AAC	leu CTG	glu GAG	leu CTC	tyr TAC	ala GCC	ser TCC	tyr TAC
000	0110		1110	010	0.10	010	1110		100	1110
val GTT	tyr	leu	ser	met ATC	Ser	tyr	tyr TAC	phe TTT	asp	arg
GII	TAC	CTG	TCC	ATG	TCT	TAC	IAC	111	GAC	CGC
asp	asp	val	ala	leu	lys	asn	phe	ala	lys	tyr
GAT	GAT	GTG	GCT	TTG	AAG	AAC	TTT	GCC	AAA	TAC
phe	leu	his	qln	ser	his	glu	glu	arg	glu	his
TTT	CTT	CAC	ČAA	TCT	CAT	ĞAG	ĞAG	AGĞ	ĞAA	CAT
ala	glu	lys	leu	met	lys	leu	gln	asn	gln	arg
GCT	GAG	AAA	CTG	ATG	AAG	CTG	CAG	AAC	CAA	CGA
alu	~l.,	220	110	nha	lou	aln	200	ile	1,,,	1,,,
gly GGT	gly GGC	arg CGA	ile ATC	phe TTC	leu CTT	gln CAG	asp GAT	ATC	lys AAG	lys AAA
pro CCA	asp GAC	cys TGT	asp GAT	asp GAC	trp TGG	glu GAG	ser AGC	gly GGG	leu CTG	asn AAT
COA	Onc	101	ONI	UNC	100	UNG	nuc	000	CIG	VVI
ala	met	glu	cys	ala	leu	his	leu	glu	lys	asn
GCA	ATG	GAG	TGT	GCA	TTA	CAT	TTG	GAA	AAA	AAT
val	asn	gln	ser	leu	leu	glu	phe	pro	ser	pro
GTG	AAT	CAG	TCA	CTA	CTG	GAA	TTC	CCT	TCT	CCT
ile	ser	pro	ser	pro	ser	cys	trp	his	his	tyr
ATC	TCT	ccc	AGT	ĊCT	AGC	TĠC	TGG	CAT	CAC	TÁT
thr	thr	asn	arg	pro	gln	pro	gln	his	his	leu
ACT	ACT	AAC	AGA	CCG	CAA	CCT	CAA	CAC	CAC	CTT
100	2 5 7	220	2 5 6	2	222	1			h: a	
leu CTT	arg CGA	pro	arg CGC	arg CGG	arg AGG	lys AAG	arg AGA	pro	his _CAT	ser TCT
ile ATA	pro CCA	thr ACA	pro CCT	ile ATT	leu CTG	ile _ATT	phe ተተተ	arg CGG	ser TCA	pro CCC
TGA							* * *		TAACTI	CAC
	CCGGAAA									
	TTGGAA( CAATTCT									
	TCACAC'								W100011	<u></u>

1061 TTGACACCAG	ACCAACTGGT	<u>AATG</u> GTAGCG	. BNC ACCG <u>GCGCTC</u>	AGCTGGAATT	<u>CC</u> AAAAAATG
NCS TAATGCACAC	TCCATTGCAT	TCAGCCCGCC	TCTCCTTAGT	CGCCGCC <u>ATG</u>	ACGACCGCGT
CCACCTCGCA	GGTGCGCCAG	AACTACCACC	X1 AGGACTCAGA	GGCCGCCATG	AACCGCCAGA
TCAACCTGGA	GCTCTACGCC	TCCTACGTTT	ACCTGTCCAT	GTCTTACTAC	17 TTT <mark>GACCGCG</mark>
17 ATGATGTGGC	TTTGAAGAAC	TTTGCCAAAT	ACTTTCTTCA	CCAATCTCAT	GAGGAGAGGG
AACATGCTGA	GAAACTGATG	AAGCTGCAGA	ACCAACGAGG	TGGCCGAATC	TTCCTTCAGG
ATATCAAGAA	ACCAGACTGT	GATGACTGGG	AGAG <u>CGGGCT</u>	2.1 GAATGCAATG	<u>GAGTGTGC</u> AT
TACATTTGGA	AAAAAATGTG	AATCA <u>GTCAC</u>	ECOF TACTGGAATT	CCCTTCTCCT	ATCTCTCCCA
GTCCTAGCTG	CTGGCATCAC	TATACTACTA	ACAGACCGCA	ACCTCAACAC	CACCTTCTTC
GACCCCGCCG	GAGGAAGAGA	CCCCATTCTA	TACCAACACC	TATTCTGATT	TTTCGGTCAC
CCTGAAGTTT	ATATTCTTAT	CCTACCAGGC	TTCGGAATAA	TCTCCCATAT	TGTAACTTAC
TACTCO <u>GGAA</u>	SPF ATCGCTGTCG	<u>CCTAACC</u> GCT	AACATTACTG	CAGGCCACCT	ACTCATGCAC
CTAATTG <u>GAA</u>	728 GCGCCACCCT	[AGCAATATCA]	<b>ACCATTAACC</b>	TTCCCTOTAC	767 ACTTATCATC
767 TTCACAATTC	Тааттстаст	GAQ <u>TATCCTA</u>	16 GAAATCGCTG	TCGCCTTAAT	CCAAGCCTAC
GTTTTCACAC	TTCTAGTAAG	CCTCTACCTG	CACGACAACA	CATAAAAAAA	A

FIG. 7

TTGACACCAG	ACCAACTGGT	AATGGTAGCG	ACCGGCGCTC	AGCTGGAATT	CCAAAAAATG
TAATGCACAC	TCCATTGCAT	TCAGCCCGCC	TCTCCTTAGT	CGCCGCCATG	ACGACCGCGT
CCACCTCGCA	GGTGCGCCAG	AACTACCACC	AGGACTCAGA	GGCCGCCATC	AACCGCCAGA
TCAACCTGGA	GCTCTACGCC	TCCTACGTTT	ACCTGTCCAT	GTCTTACTAC	TTTGACCGCG
ATGATGTGGC	TTTGAAGAAC	TTTGCCAAAT	ACTTTCTTCA	CCAATCTCAT	GAGGAGAGGG
AACATGCTGA	GAAACTGATG	Pst1 AAG <u>CTGCAGA</u>	ACCAACGAGG	TGGCCGAATC	TTCCTTCAGG
ATATCAAGAA	ACCAGACTGT	GATGACTGGG	AGAGCGGGCT	GAATGCAATG	GAGTGTGCAT
TACATTTGGA	AAAAAATGTG	AATCAGTCAC	ECOR1 TAC <u>TGGAAT</u> T	CCCTTCTCCT	ATCTCTCCCA
GTCCTAGCTG	CTGGCATCAC	TATACTACTA	ACAGACCGCA	ACCTCAACAC	CACCTTCTTC
GACCCCGCCG	GAGGAAGAGA	CCCCATTCTA	TACCAACACC	TATTCTGATT	TTTCGGTCAC
CC <u>TGA</u> AGTTT	ATATTCTTAT	CCTACCAGGC	TTCGGAATAA	TCTCCCATAT	TGTAACTTAC
TACTCCGGAA	ATCGCTGTCG	CCTAACCGCT	AACATTACTG	CAGGCCACCT	ACTCATGCAC
CTAATTGGAA	GCGCCACCCT	AGCAATATCA	ACCATTAACC	TTCCCTCTAC	ACTTATCATC
TTCACAATTC	TAATTCTACT	GACTATCCTA	GAAATCGCTG	TCGCCTTAAT	CCAAGCCTAC
GTTTTCACAC	TTCTAGTAAG	CCTCTACCTG	CACGACAACA	CATAAAAAAA	A

FIG. 8